

No.	Testing	Standard	Organisation	Comment
00	Salt spray testing	-----	South African Bureau of Standards	-----
01	Reaction to fire	BS 476 Part 7	Laboratory for fire testing, Belgium	-----
02	Reaction to fire initiation	BS 476 Part 6	SGS (UK) Ltd	-----
03	Spread of flame	BS 476 Part 7	Exova Warrington fire (UK)	-----
04	Toxic emissions	BS 6853 - B.2	Exova Warrington fire (UK)	-----
05	Smoke Density	BS 6853 - D8.4	Exova Warrington fire (UK)	-----
06	Smoke toxicity	Def stan 02-711	Rapra Technology (MoD) (UK)	-----
07	Zinc purity	EN1179 / ISO/DIS	Umicore Chemicals (Belgium)	-----
08	Ballast Tanks	-----	Det Norske Veritas (Norway)	-----
09	Chassis structure	-----	Land Rover	-----
10	Pull-off testing	-----	Scicon Brugge (Belgium)	-----
11	Cathodic disbondment	BS 3900 - F10	Bodycote Laboratories (UK)	-----
12	Abrasion (Taber) testing	ASTM 4060 - 6	Not quoted	Statement from ZM
13	Abrasion testing	Not quoted	NMBSAK (Belgium)	-----
14	Polarity reversal	-----	Sheffield University (UK)	-----
15	NATO approval	-----	-----	-----
16	Approval for structures	-----	BBA (UK)	-----
17	Magnetic Particle Inspection	-----	Oilfield Inspection Services (UK)	-----
18	The ph limits of Zinga / Aquazinga	-----	Statement from Royal Gent University (Belgium)	-----
19	Specific resistance of Zinga	CLC /TR 50404	ISMA Consulting	-----
20	Salt-spray testing / powder	ASTM B117	Not specified	-----
21	Thermal oxidation of Zinga	-----	University of Gent (Belgium)	-----
22	Electrochemical evaluation	-----	BNF Fulmer Laboratories	Zinga corrodes slower than HDG
23	Weldability of Zinga	-----	Rolls Royce Consulting (Notts Univ)	Zinganised steel TIG is welded
24	Arc welding of Zinga	-----	Soudometal (Belgium)	-----
25	Aquazinga pull-off test	-----	Scicon Worldwide (Belgium)	Blast-cleaned steel surface
25 (a)	Aquazinga pull-off test	-----	Scicon Worldwide (Belgium)	Un-blasted steel surface
26	Aquazinga salt spray	ASTM B117	Royal Gent University Materials and Welding Dept	-----
27	Impact and bend testing	-----	Stangers Laboratories (UK)	-----
28	London Underground	-----	LU Certification (UK)	Fire, smoke and toxicity
29	Density and volume solids of Zinga	-----	SNCB Laboratories (Belgium)	-----
30	Toxicity evaluation	-----	Institute of Naval Medicine (UK)	Abbey Wood

31	Company ISO certification	ISO 9001: 2008	SGS Service and System Certification	-----
32	Atmospheric exposure	ISO 12944-6	COT Laboratories (Holland)	Zinga 2 x 60µm DFT
30	Atmospheric exposure	ISO 12944-6	COT Laboratories (Holland)	Zinga 2 x 90µm DFT
31	Exposure test to C5-I High	ISO 12944 - 6	COT Laboratories (Holland)	Zinga + Alufer N
32	Exposure to IM-2 and IM-3 High	ISO 12944 - 6	COT Laboratories (Holland)	Zinga + PU Tar-free MIO
33	Atmospheric exposure	ISO 12944 - 6	ISO International	Summary report for Zinga
	Salt-water resistance	ISO 2812 - 1	COT Laboratories (Holland)	2012 Zinga + PU Tar-free
	Waste-water resistance	ISO 2812 - 1		2012 Zinga + PU Tar-free
34	Aquazinga + Powder Coat	-----	Royal Gent University (Materials)	5000 hours salt-spray
35	APAS website	-----	-----	Australian standards
36	Mandrel bend testing	-----	Boedinger Agencies (South Africa)	
37	Test requirements	NORSOK M501 - 7	Standards (Norway)	-----
38	Atmospheric exposure	NORSOK M501 - 1	COT Laboratories (Holland)	-----
38 (a)	Atmospheric exposure	NORSOK M501 - 7	COT Laboratories (Holland)	-----
38 (b)	Primer under intumescents	-----	Nullifire	-----
39	Primer under intumescents	ETAG 018 (5.0.4.)	Iris Vernici (Italy)	-----
39 (a)	Product Quality Insurance	-----	Concordia	Old quality insurance doc
40	Product Quality Insurance	-----	Fortis	
40 (a)	Product Quality Insurance	-----	Concordia	Invoked during Sept 2012
40 (b)	Zinc content in dried film	-----	Zingametall	Statement of fact
41	CUI patent-filing document	-----	Boult, Wade and Tennent (UK)	Corrosion Under Insulation
41 (a)	Adhesion test	ASTM 3358	Laboratory for Organic Chemistry	1983
42	Zinga on rebars in concrete	ASTM – G59 ASTM – G61	National Metallurgical Laboratory	India
43	Comparative testing on rebars in concrete	-----	Steel Authority of India	Zinga vs epoxy, HDG etc
44	Comparative testing on rebars in concrete	-----	Jadavpur University (India)	Tests including SCC
45	Salt-spray testing of Zinga	ASTM – B117	National Cheng Kung University	2000 9500 hours testing
46	Salt-spray testing of Zinga	ASTM – B117	National Cheng Kung University	2000 Chinese text version
47	Salt spray Zinga vs HDG	-----	Royal University of Gent (Belgium)	1994
48	Rebars	-----	B Holding	1997
49	Zinga in contact with food	-----	Canadian Food Agency	2004
50	Evaluation of Zinga	-----	Fulmer Laboratories	1990
51	Potable water	AS/NZS	Australian Water Quality Centre	2012
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54	Potable water (Poland)				
54 (a)	Coastal exposure testing	-----	Materials Mngment Institute (USA)	2003	Cape Canaveral
54 (b)	Slip coefficient	ASTM A-490	KTA-Tator (USA)	2008	
54 (c)	Slip coefficient	-----	China National Steel Test Centre	2005	
55	Adhesion of Zinga to steel	ASTM -D4541	COT Laboratories (Holland)	2010	
56	Adhesion of Zinga to steel	ISO 4624	COT Laboratories (Holland)	2010	
56 (a)	Bend testing of Zinga	ISO 1519	COT Laboratories (Holland)	2010	
57	Galvanic action of Zinga	-----	COT Laboratories (Holland)	2011	
58	Galvanic action of Zinga	-----	Royal Gent University (Belgium)	2009	
58 (a)	Galvanic testing of Zinga	-----	FMPA laboratories (Germany)	1992	
59	General testing of Zinga	-----	Kuwait Inst. for Scientific Research	-----	
60	Salt-spray and acidic SS	DIN 53151	WEPCO Laboratories (Egypt)	1997	
60 (a)	Zinga on rebars	-----	Russia	2002	
60 (b)	Zinga on rebars	-----	IV Finishing (Belgium)	2004	Electrostatic spray
61	Zinga on steel components	-----	Sames (Belgium)	2004	Electrostatic spray
62	Blending of zinc layers	-----	Royal Gent University (Belgium)	1983	
63	Corrosion protection	-----	CSRIRM (Russia)	2002	UHP cleaned steel
64	Salt-spray and other tests		PSB (Singapore)	1996	
64	Rebar pull-out testing	-----	Royal Gent University (Belgium)	1999	
65	VOC calculations	-----	Scientific Material Int. (USA)	2006	
66	Weldability of Zinga	-----	Royal Gent University (Belgium)	1988	Statement
67	Zinga – tank coating - ships	-----	Lloyds Register	2012	
68	Suitability in construction	-----	European Technical Approvals	2013	EC compliant
69	Suitability in construction	KFW - DIN 50017	German Building Regulations	1990	
69	Reaction to fire	EN13501	Efectis	2009	